AMENDMENT UNDER 37 C.F.R. § 1.111 Attorney Docket No.: Q89816

Application No.: 10/554,054

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

(currently amended): A barium titanate powder comprising a perovskite structure 1.

having a ratio c/a of 1.008 or more and ratio d/D of from 1 to 1.5, wherein "c" is a length of thea

c axis, "a" is a length of thean a axis in the perovskite structure, "d" is an average particle

diameter and "D" is an equivalent BET specific surface area diameter.

(original): The barium titanate powder according to Claim 1 wherein the average 2.

particle diameter is 0.3 µm or less.

(original): The barium titanate powder according to Claim 2 wherein the average 3.

particle diameter is 0.05 µm or more.

(original): The barium titanate powder according to Claim 1 wherein the particle 4.

density is 5.8 g/cm³ or more.

(original): The barium titanate powder according to any of Claims 1 to 4 wherein 5.

the loose bulk density is 1.4 g/cm³ or more and the packed bulk density is 1.8 g/cm³ or more.

(original): A method of producing a barium titanate powder, comprising the steps 6.

of:

heating a mixture containing a titanium compound and a barium compound under (1)

a gas atmosphere containing a halogen at a temperature of not less than about 200°C and less

than the temperature for generation of barium titanate,

calcining the obtained mixture under an atmosphere containing substantially no (2)

halogen at a temperature of not lower than the temperature for generation of barium titanate.

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7. (original): The method according to Claim 6 wherein the halogen in the step (1) is at least one selected from chlorine, bromine and iodine.

- 8. (original): The method according to Claim 7 wherein the halogen in the step (1) is chlorine.
- 9. (previously presented): The method according to Claim 7 wherein the gas containing a halogen is selected from the group consisting of molecular halogens, hydrogen halides and halides.
- 10. (original): The method according to Claim 9 wherein the gas containing a halogen is selected from the group consisting of molecular halogens and hydrogen halides.
- 11. (original): The method according to Claim 6 wherein the halogen concentration of the atmosphere in the step (1) is about 0.5 vol% or more and about 50 vol% or less.
- 12. (original): The method according to Claim 6 wherein the total pressure of the atmosphere in the step (1) is about 0.1 MPa or more and about 1 MPa.
- 13. (original): The method according to any of Claims 6 to 12 wherein a powder obtained in the step (2) is re-calcined under an atmosphere containing substantially no halogen at a temperature of 800°C or more and 1100°C or less.
- 14. (previously presented): The method according to Claim 8 wherein the gas containing a halogen is selected from the group consisting of molecular halogens, hydrogen halides and halides.
- 15. (previously presented): The method according to Claim 14 wherein the gas containing a halogen is selected from the group consisting of molecular halogens and hydrogen halides.

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16. (previously presented): The method according to either of Claim 14 or 15 wherein a powder obtained in the step (2) is re-calcined under an atmosphere containing

substantially no halogen at a temperature of 800°C or more and 1100°C or less.

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